

091059,853

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*           W E L C O M E   T O   T H E           *
*           U . S .   P A T E N T   T E X T   F I L E           *
* * * * *
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=> s hog (4w)cholera(4w)virus

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      2505 HOG
      1171 CHOLERA
      19475 VIRUS
L1      79 HOG (4W) CHOLERA(4W) VIRUS
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=> s l1 and polypeptide

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      14046 POLYPEPTIDE
L2      26 L1 AND POLYPEPTIDE
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=> s l2 and vaccine

```
      4881 VACCINE
L3      22 L2 AND VACCINE
```

=> s l3 and 44(4w)kd

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      866066 44
      8203 KD
      122 44(4W) KD
L4      1 L3 AND 44(4W) KD
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=> d l4 ab cit 1

US PAT NO: 5,612,042 [IMAGE AVAILABLE] L4: 1 of 1

ABSTRACT:

The present invention relates to a **polypeptide** of the bacterium *Streptococcus suis* with a molecular weight of about 54 kD, capable of inducing neutralising antibodies against *Streptococcus suis*. The invention also relates to a **vaccine** against *Streptococcus suis* infection, and a method for the preparation of such a **vaccine**.

1. 5,612,042, Mar. 18, 1997, **Vaccine** against streptococcus suis infection; Antonius A. C. Jacobs, 424/237.1, 184.1, 185.1, 197.11, 282.1, 825 [IMAGE AVAILABLE]

=> e meyers, gregor/in

E#	FILE	FREQUENCY	TERM
E1	USPAT	1	MEYERS, GRAHAM J/IN
E2	USPAT	1	MEYERS, GRAHAME A/IN
E3	USPAT	0 -->	MEYERS, GREGOR/IN
E4	USPAT	1	MEYERS, GWENN B/IN
E5	USPAT	1	MEYERS, HAROLD M DECEASED/IN
E6	USPAT	6	MEYERS, HAROLD V/IN
E7	USPAT	1	MEYERS, HARRY W/IN
E8	USPAT	1	MEYERS, HENRY W/IN
E9	USPAT	6	MEYERS, HERBERT M/IN

E10	USPAT	2	MEYERS, HILLEL A/IN
E11	USPAT	1	MEYERS, JACK G/IN
E12	USPAT	1	MEYERS, JAMES C/IN

=> e thiel, heinz-jurgen/in

E#	FILE	FREQUENCY	TERM
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E1	USPAT	1	THIEL, HEINZ/IN
E2	USPAT	1	THIEL, HEINZ E P/IN
E3	USPAT	0 -->	THIEL, HEINZ JURGEN/IN
E4	USPAT	1	THIEL, HERBERT WILLY/IN
E5	USPAT	2	THIEL, HORST/IN
E6	USPAT	1	THIEL, HORST G/IN
E7	USPAT	1	THIEL, INGEBORG/IN
E8	USPAT	1	THIEL, JAMES E/IN
E9	USPAT	1	THIEL, JAMES L/IN
E10	USPAT	1	THIEL, JEROME F/IN
E11	USPAT	4	THIEL, JOHN A/IN
E12	USPAT	3	THIEL, JOSEPH W/IN

=> d his

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L1          79 S HOG (4W) CHOLERA(4W) VIRUS
L2          26 S L1 AND POLYPEPTIDE
L3          22 S L2 AND VACCINE
L4           1 S L3 AND 44 (4W) KD
              E MEYERS, GREGOR/IN
              E THIEL, HEINZ-JURGEN/IN

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4881 VACCINE
L5 60 VACCINE AND L1

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          47309 ASSAY
L6          55 ASSAY AND L1

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14046 POLYPEPTIDE
L7 23 L6 AND POLYPEPTIDE

1. 5,773,006, Jun. 30, 1998, Lipsome containing IL-2; Peter M. Anderson, et al., 424/195.11, 85.2, 155.1, 184.1, 195.1, 200.1, 208.1, 234.1, 417, 423, 450, 812 [IMAGE AVAILABLE]

2. 5,770,576, Jun. 23, 1998, Pharmaceutical dipeptide compositions and methods of use thereof: systemic toxicity; Vyacheslav G. Morozov, et al., 514/19, 11 [IMAGE AVAILABLE]

3. 5,766,845, Jun. 16, 1998, Immunoreactive **polypeptide** compositions; Amy J. Weiner, et al., 435/5; 424/184.1, 185.1, 189.1, 204.1, 228.1; 530/300, 324 [IMAGE AVAILABLE]

4. 5,766,840, Jun. 16, 1998, Hepatitis G virus and molecular cloning thereof; Jungsu P. Kim, et al., 435/5; 530/388.3, 389.4 [IMAGE AVAILABLE]

5. 5,756,312, May 26, 1998, Immunoreactive **polypeptide** compositions; Amy J. Weiner, et al., 435/69.3; 424/184.1, 185.1, 189.1, 192.1, 204.1, 228.1; 435/172.3, 325; 530/350, 826; 536/23.4, 23.72 [IMAGE AVAILABLE]

6. 5,747,239, May 5, 1998, Synthetic peptides specific for the detection of antibodies to HCV, diagnosis of HCV infection and preventions thereof as vaccines; Chang Yi Wang, et al., 435/5; 530/324 [IMAGE AVAILABLE]

7. 5,728,680, Mar. 17, 1998, Methods for normalizing numbers of lymphocytes; Vyacheslav G. Morozov, et al., 514/19, 9, 11 [IMAGE AVAILABLE]

8. 5,728,520, Mar. 17, 1998, Immunoreactive **polypeptide** compositions; Amy J. Weiner, et al., 435/5; 530/350 [IMAGE AVAILABLE]
9. 5,709,865, Jan. 20, 1998, Immunogenic composition against Bovine Viral Diarrhea Virus II glycoprotein 53 (BVDV-II gp53); Jan van den Hurk, et al., 424/218.1; 435/69.3, 172.1; 530/300, 350; 536/23.72 [IMAGE AVAILABLE]
10. 5,698,193, Dec. 16, 1997, Method of treating birds; Michael H. Kogut, et al., 424/85.1; 119/6.8 [IMAGE AVAILABLE]
11. 5,670,153, Sep. 23, 1997, Immunoreactive **polypeptide** compositions; Amy J. Weiner, et al., 424/189.1, 228.1; 435/5; 530/350 [IMAGE AVAILABLE]
12. 5,670,152, Sep. 23, 1997, Immunoreactive **polypeptide** compositions; Amy J. Weiner, et al., 424/189.1, 228.1; 435/5; 530/350 [IMAGE AVAILABLE]
13. 5,650,153, Jul. 22, 1997, Recombinant Marek's disease virus and vaccine; Toyokazu Ishikawa, et al., 424/229.1; 435/320.1 [IMAGE AVAILABLE]
14. 5,650,152, Jul. 22, 1997, Liposome immunoadjuvants containing IL-2; Peter M. Anderson, et al., 424/195.11, 85.2, 155.1, 184.1, 200.1, 201.1, 204.1, 208.1, 234.1, 275.1, 283.1, 423, 450, 812 [IMAGE AVAILABLE]
15. 5,626,850, May 6, 1997, Non-shedding live herpesvirus vaccine; Nicolaas Visser, et al., 424/199.1, 93.21, 205.1, 229.1; 435/235.1 [IMAGE AVAILABLE]
16. 5,620,691, Apr. 15, 1997, Causative agent of the mystery swine disease, vaccine compositions and diagnostic kits; Gert Wensvoort, et al., 424/184.1, 204.1, 218.1, 221.1, 815 [IMAGE AVAILABLE]
17. 5,612,042, Mar. 18, 1997, Vaccine against streptococcus suis infection; Antonius A. C. Jacobs, 424/237.1, 184.1, 185.1, 197.11, 282.1, 825 [IMAGE AVAILABLE]
18. 5,538,733, Jul. 23, 1996, Method of priming an immune response in a one-day old animal; Daryll A. Emery, et al., 424/422, 131.1, 184.1, 204.1, 206.1, 207.1, 211.1, 213.1, 214.1, 216.1, 220.1, 222.1, 229.1, 234.1, 237.1, 239.1, 240.1, 241.1, 257.1, 258.1, 259.1, 274.1, 423, 426 [IMAGE AVAILABLE]
19. 5,409,698, Apr. 25, 1995, Liposome immunoadjuvants containing IL-2; Peter M. Anderson, et al., 424/85.2, 283.1, 423, 450, 812 [IMAGE AVAILABLE]
20. 5,382,425, Jan. 17, 1995, Recombinant swinepox virus; Mark D. Cochran, et al., 435/235.1, 69.3, 172.3, 320.1; 530/350; 536/23.72; 935/9, 32, 36, 57, 63, 70 [IMAGE AVAILABLE]
21. 5,380,653, Jan. 10, 1995, Expression vectors and methods for intracellular protein production in bascillus; Ilkka Palva, 435/69.7, 69.1, 69.3, 69.8, 172.3, 193, 252.31, 320.1; 536/23.4, 23.7; 935/47, 48 [IMAGE AVAILABLE]
22. 5,364,774, Nov. 15, 1994, Treponema hyodysenteriae vaccine; Susie Jane Muir, et al., 435/320.1, 172.3, 235.1, 252.3; 530/350; 536/23.2, 23.7; 935/9, 29, 41, 56, 63, 72, 82 [IMAGE AVAILABLE]
23. 5,206,163, Apr. 27, 1993, DNA encoding bovine diarrhea virus protein; Andre Renard, et al., 435/325, 252.3, 252.33, 320.1; 536/23.4, 23.72, 24.32 [IMAGE AVAILABLE]